

What is claimed is:

1. A wireless interconnect device for a computer, the computer comprising a casing, an outer lid covering the casing, and a main board located in the casing, comprising:
 - 5 a connector, which is a mini PCI-slot connector electrically connecting to the main board; and
 - a wireless Ethernet card, including a main body, a first antenna, a second antenna, a first signal line and a second signal line, and an electric connecting part, the electric connecting part electrically connecting to the mini PCI-slot connector, the first and second signal lines respectively electrically connecting the first antenna and the second antenna to the main board, the first antenna being located at a front side of the casing and the second antenna being located at a top of the outer lid.
- 10 2. The wireless interconnect device of claim 1, wherein the top of the outer lid further has an accommodating space in which the second antenna is located.
- 15 3. The wireless interconnect device of claim 2, wherein the accommodating space further has a cover.
- 20 4. The wireless interconnect device of claim 1, wherein the top of the out lid further has a plurality of first fixing holes and a first slot, the front of the casing further has a plurality of second fixing holes and a second slot, the first and second antennas respectively having third and fourth fixing holes corresponding to the second and first fixing holes, the first and fourth fixing holes connecting to one another via first positioning elements and the second and third fixing holes connecting to one another via second positioning elements so that the first and second signal lines respectively penetrate through these slots.
- 25 5. A wireless interconnect device for a computer, the computer comprising a casing, an outer lid covering the casing, and a main board located in the casing, comprising:
 - a connector, which is a mini USB connector electrically connecting to

the main board; and

5 a wireless Ethernet card, including a main body, a first antenna, a second antenna, a first signal line and a second signal line, and a coupling part, the coupling part electrically connecting to the mini USB connector, the first and second signal lines respectively electrically connecting the first antenna and the second antenna to the main board, the first antenna being located at a front side of the casing and the second antenna being located at a top of the outer lid.

6. The wireless interconnect device of claim 5, wherein the top of the outer lid
10 further has an accommodating space in which the second antenna is located.

7. The wireless interconnect device of claim 6, wherein the accommodating space further has a cover.

8. The wireless interconnect device of claim 5, wherein the top of the out lid further has a plurality of first fixing holes and a first slot, the front of the casing further has a plurality of second fixing holes and a second slot, the first and second antennas respectively having third and fourth fixing holes corresponding to the second and first fixing holes, the first and fourth fixing holes connecting to one another via first positioning elements and the second and third fixing holes connecting to one another via second positioning elements so that the first and second signal lines respectively
15 penetrate through these slots.
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